SEQUENCE LISTING

<110> SUNTORY LIMITED

<120> Light Repressible Promoter

<130> YCT-483

<150> JP Hei 11-66551

<151> 1999-3-12

<160> 40

<210> 1

<211> 12

<212> DNA

<213> Pisum sativum cv. Alaska

<223> Nucleotide sequence for a core region of light repressible
      promoter from the pea small GTPase gene

<400> 1

ggattttaca gt   12

<210> 2

<211> 93

<212> DNA

<213> Pisum sativum cv. Alaska

<223> Nucleotide sequence for a cis element of light repressible
      promoter from the pea small GTPase gene

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atgtctgagg attttacagt aataaagaaa cga   93

<210> 3

<211> 2325

<212> DNA

<213> pisum sativum cv. Alaska

<223> Nucleotide sequence for a light repressible promoter from the
pea small GTPase gene

<400> 3

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ttcatatctt taattatctg ataatatata attgtatatt caatatttca tacaattgtg   180

ttatatgaaa tattttgtag gtaaaaggga ctaagaataa cctccgcaac atcaaagtca   240

gaaacctctt gtaactcttc agttgaaacg agaaggaagt ggacaacaca gaaaactaag   300

ttcccccact taacttcttg gtttgggtga ggacttcctt tacaatttat actctaagga   360

aatacattag acactctaga tgggttgcat tagctcatat atttttaagt aataataccc   420

acttcaagtt ttttgttttt tgttgttgtg cagtagatga taagatggat catttctcaa   480

ggcccttatg caaagacata agatccatat actccaccaa gattgcttta catctaacca   540

agttaatgaa tttaaattct tcgaaacaat tatttcctac caaaggaagt ttatatgcac   600

attttctaat gtatttttat atagaattga tacatgtttc tgttatacaa gattagaatt   660

tggatttctc atccaaactc ctacacttgg tgagaaattt cagcctcaac ctcagtaaat   720

caggttcctc cttcaaactc atacacttgg ttgagtgaga attatggacg tcaacctagc   780

aatatgaatc cctctccaag atcctacact tatctgagtg agaattttgg tcctcgacct   840

caacaagata gatttgatgg gtcatcacga ggggaagcat tcacattggg tcaaagattc   900

acccaaacaa gtgagagaga catcacatat caaccaaaac cttaaggtga taggtgtatg   960

agttctctta cttataaagt gctcaacctc cacttttcta agcaatgtgt gacttagaac  1020

tcacacttat ttctcaacat aactcacact tgtttatcaa caatctcccc cacaagtgtg  1080

agttcattcg ctatgtcccc ctcaagtgga atctctttca tccgcatgct tataccgttg  1140

ttgacataca tctttactcg tcatgggcac ttcaatggga cacgctgcct gaccaccatg  1200

tcaagaagac ttttgacaca aggagtcggt cccttactcg aaccagactc tgataccatt  1260

aatagatcac tttgaatgga tatcattcat actatatcaa acatttacgt aaagataaaa  1320

aattcacccca aacaaatgag agagacacta catctctctt attatattaa taaaatgtaa  1380

agaaaaatat agtataaaag taacacatat tttgataaat ttattactaa aactattttc  1440
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tagtacttgt taatcatgtc tgaggatttt acagtaataa agaaacgagg tagcccaaac 1500

aaaagtgata attgtggagg gtgtgatctt tgtcggtgca aaaaatgaaa ccccaaactt 1560

gtgatattgt gtcgactgct ccgtcgctac attgaaatta atgaatgttc ttttataacg 1620

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acattgctaa agaaaattac caccttaaaa tgtttatccc ttgcacacat ttcacatcaa 1860

tttattaaaa cattttacca ttggaaaaca catacatatt caatcaatta ttttttgcatt 1920

ttcaaaaact aaaccaaaca aacttagaat attttgtaat tatagcacaa ttttcaaaaa 1980

tatcctagtc ttcaaccact caataattca caatttccaa atcccttgca aaacatcaca 2040

acctctagaa actttgatta ataatctaat aaaagcaata atatgatatc taaacaatat 2100

caccatatat gttatgatat aatatgatgc agcaatacac ttaatttggt aaagcattaa 2160

agcgagacaa ctctattaac accggtaatt caacaaccgt tgttgtcgag ttcatgtttt 2220

cttccaactc ttttcctttt cctttacttt atttatttct cctacttacc ttttctacta 2280

atatatacta tctctcttga acctcttttt gatcttgaca agaaa   2325

<210> 4

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer used in Example 1

<400> 4

acggttgttg aattaccggt gttaatagag   30

<210> 5

<211> 22

<212> DNA

<213> Artificial Sequence

<223> NcoI primer used in Example 3

<400> 5

ggtccatggt cttgtcaaga tc   22

<210> 6

<211> 21

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL1 in Example 3

<400> 6

gggaagcttt aaaggcaagg g   21

<210> 7

<211> 23

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL3 in Example 3

<400> 7

acgtaaagct taaaaattca ccc   23

<210> 8

<211> 25

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL4 in Example 3

<400> 8

aaataaagct taaaagtaac acata   25

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL4B in Example 3

<400> 9

gtactgcagt cagacatgat taacaag   27

<210> 10

<211> 24

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL5 in Example 3

<400> 10

aaagaagctt ggtagcccaa acaa   24

<210> 11

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing LS1 in Example 3

<400> 11

aagcttctgc agggatttta cagtaataaa   30

<210> 12

<211> 35

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing LS2 in Example 3

<400> 12

aagcttgtct gactgcagta cagtaataaa gaaac

<210> 13

<211> 42

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing LS3 in Example 3

<400> 13

aagcttgtct gaggatttct gcagaataaa gaaacgaggt ag   42

<210> 14

<211> 48

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing LS4 in Example 3

<400> 14

aagcttgtct gaggatttta cagtctgcag gaaacgaggt agcccaaa   48

<210> 15

<211> 52

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing LS5 in Example 3

<400> 15

aagcttgtct gaggatttta cagtaataaa ctgcagaggt agcccaaaca ag   52

<210> 16

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL2 in Example 3

<400> 16

tcaatgggac acgctgcctg accaccatgt   30

<210> 17

<211> 31

<212> DNA

<213> Artificial Sequence

<223> pUC19 primer used in Example 3

<400> 17

ggcgtaatca tggtcatagc tgtttcctgt g   31

<210> 18

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL6 in Example 3

<400> 18

tgtcggtgca aaaaatgaaa ccccaaactt   30

<210> 19

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL7 in Example 3

<400> 19

aatgtttatc ccttgcacac atttcacatc   30

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL8 in Example 3

<400> 20

gcaaaacatc acaacctcta gaaac   25

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL4c in Example 3

<400> 21

gtttggctgc agtcgtttct ttattactgt aaaatcctc   39

<210> 22

<211> 39

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing PL4C in Example 3

<400> 22

caatactgca gtatatgtta tgatataata tgatgcagc   39

<210> 23

<211> 25

<212> DNA

<213> Artificial Sequence

<223> gF primer used for preparing gF1 in Example 3

<400> 23

tactgcagaa aagtaacaca tattt 25

<210> 24

<211> 31

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing gF1 in Example 3

<400> 24

tggtgatatt gtttagatat catattattg c 31

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing GF2 in Example 3

<400> 25

atgatatcca agggatttgg aaat 24

<210> 26

<211> 26

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing GF3 in Example 3

<400> 26

gtgatatcgg gataaacatt ttaagg 26

<210> 27

<211> 24

<212> DNA

<210> Artificial Sequence

<223> Primer used for preparing GF4 in Example 3

<400> 27

ttgatatccc gacaaagatc acac   24

<210> 28

<211> 24

<212> DNA

<213> Artificial Sequence

<223> Primer used for preparing gF5 in Example 3

<400> 28

gggatatctc gtttctttat tact   24

<210> 29

<211> 31

<212> DNA

<213> Artificial Sequence

<223> Synthetic DNA WT1 used in Example 8

<400> 29

gtctgaggat tttacagtaa taaagaaacg a   31

<210> 30

<211> 31

<212> DNA

<213> Artificial Sequence

<223> Synthetic DNA WT2 used in Example 8

<400> 30

tcgtttcttt attactgtaa aatcctcaga c   31

<210> 31

<211> 31

<212> DNA

<213> Artificial Sequence

<223> Synthetic DNA MT1 used in Example 8

<400> 31

gtctgaggct tttcccgtaa taaagaaacg a   31

<210> 32

<211> 31

<212> DNA

<213> Artificial Sequence

<223> Synthetic DNA MT2 used in Example 8

<400> 32

tcgtttcttt attacgggaa aagcctcaga c   31

<210> 33

<211> 55

<212> DNA

<213> Artificial Sequence

<223> Primer 35S46UP used in Example 9

<400> 33

aagcttggat ccctcgagct gcaggatatc gcaagaccct tcctctatat aagga   55

<210> 34

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer KZ35SDW used in Example 9

<400> 34

ttccatggaa agctgcctag gagatcctct   30

<210> 35

<211> 54

<212> DNA

<213> Artificial Sequence

<223> Origonucleotide WT3 used in Example 9

<400> 35

tgaggatttt acagtaattg aggattttac agtaattgag gattttacag taat   54

<210> 36

<211> 53

<212> DNA

<213> Artificial Sequence

<223> Origonucleotide WT4 used in Example 9

<400> 36

attactgtaa aatcctcaat tactgtaaaa tcctcaatta ctgtaaaatc tca   53

<210> 37

<211> 26

<212> DNA

<213> Artificial Sequence

<223> Primer 18X9RMDW used in Example 9

<400> 37

gcgatatcct ggatcctgag gatttt   26

<210> 38

<211>

<212> DNA

<213> Artificial Sequence

<223> Primer 18X9RMUP used in Example 9

<400> 38

agcggccgcc agtgtggata tcattactgt   30

<210> 39

<211> 54

<212> DNA

<213> Artificial Sequence

<223> Primer MT3 used in Example 9

<400> 39

tgaggctttt cccgtaattg aggctttttcc cgtaattgag gctttttcccg taat   54

<210> 40

<211> 54

<212> DNA

<213> Artificial Sequence

<223> Primer MT4 used in Example 9

<400> 40

attacgggaa aagcctcaat tacgggaaaa gcctcaatta cgggaaaagc ctca   54